

FIG 1

C<sub>SSC7</sub>C<sub>SSCa</sub>

|        | Time Slots |    |    |    |    |    |    |    |    |    |     |     |     |     |     |
|--------|------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
|        | #0         | #1 | #2 | #3 | #4 | #5 | #6 | #7 | #8 | #9 | #10 | #11 | #12 | #13 | #14 |
| CG(0)  | 1          | 1  | 2  | 8  | 9  | 10 | 15 | 8  | 10 | 16 | 2   | 7   | 15  | 7   | 16  |
| CG(1)  | 1          | 1  | 5  | 16 | 7  | 3  | 14 | 16 | 3  | 10 | 5   | 12  | 14  | 12  | 10  |
| CG(2)  | 1          | 2  | 1  | 15 | 5  | 5  | 12 | 16 | 6  | 11 | 2   | 16  | 11  | 15  | 12  |
| CG(3)  | 1          | 2  | 3  | 1  | 8  | 6  | 5  | 2  | 5  | 8  | 4   | 4   | 6   | 3   | 7   |
| CG(4)  | 1          | 2  | 16 | 6  | 6  | 11 | 15 | 5  | 12 | 1  | 15  | 12  | 16  | 11  | 2   |
| CG(5)  | 1          | 3  | 4  | 7  | 4  | 1  | 5  | 5  | 3  | 6  | 2   | 8   | 7   | 6   | 8   |
| CG(6)  | 1          | 4  | 11 | 3  | 4  | 10 | 9  | 2  | 11 | 2  | 10  | 12  | 12  | 9   | 3   |
| CG(7)  | 1          | 5  | 6  | 6  | 14 | 9  | 10 | 2  | 13 | 9  | 2   | 5   | 14  | 1   | 13  |
| CG(8)  | 1          | 6  | 10 | 10 | 4  | 11 | 7  | 13 | 16 | 11 | 13  | 6   | 4   | 1   | 16  |
| CG(9)  | 1          | 6  | 13 | 2  | 14 | 2  | 6  | 5  | 5  | 13 | 10  | 9   | 1   | 14  | 10  |
| CG(10) | 1          | 7  | 8  | 5  | 7  | 2  | 4  | 3  | 8  | 3  | 2   | 6   | 6   | 4   | 5   |
| CG(11) | 1          | 7  | 10 | 9  | 16 | 7  | 9  | 15 | 1  | 8  | 16  | 8   | 15  | 2   | 2   |
| CG(12) | 1          | 8  | 12 | 9  | 9  | 4  | 13 | 16 | 5  | 1  | 13  | 5   | 12  | 4   | 8   |
| CG(13) | 1          | 8  | 14 | 10 | 14 | 1  | 15 | 15 | 8  | 5  | 11  | 4   | 10  | 5   | 4   |
| CG(14) | 1          | 9  | 2  | 15 | 15 | 16 | 10 | 7  | 8  | 1  | 10  | 8   | 2   | 16  | 9   |
| CG(15) | 1          | 9  | 15 | 6  | 16 | 2  | 13 | 14 | 10 | 11 | 7   | 4   | 5   | 12  | 3   |
| CG(16) | 1          | 10 | 9  | 11 | 15 | 7  | 6  | 4  | 16 | 5  | 2   | 12  | 13  | 3   | 14  |
| CG(17) | 1          | 11 | 14 | 4  | 13 | 2  | 9  | 10 | 12 | 16 | 8   | 5   | 3   | 15  | 6   |
| CG(18) | 1          | 12 | 12 | 13 | 14 | 7  | 2  | 8  | 14 | 2  | 1   | 13  | 11  | 8   | 11  |
| CG(19) | 1          | 12 | 15 | 5  | 4  | 14 | 3  | 16 | 7  | 8  | 6   | 2   | 10  | 11  | 13  |
| CG(20) | 1          | 15 | 4  | 3  | 7  | 6  | 10 | 13 | 12 | 5  | 14  | 16  | 8   | 2   | 11  |
| CG(21) | 1          | 16 | 3  | 12 | 11 | 9  | 13 | 5  | 8  | 2  | 14  | 7   | 4   | 10  | 15  |
| CG(22) | 2          | 2  | 5  | 10 | 16 | 11 | 3  | 10 | 11 | 8  | 5   | 13  | 3   | 13  | 8   |
| CG(23) | 2          | 2  | 12 | 3  | 15 | 5  | 8  | 3  | 5  | 14 | 12  | 9   | 8   | 9   | 14  |
| CG(24) | 2          | 3  | 6  | 16 | 12 | 16 | 3  | 13 | 13 | 6  | 7   | 9   | 2   | 12  | 7   |
| CG(25) | 2          | 3  | 8  | 2  | 9  | 15 | 14 | 3  | 14 | 9  | 5   | 5   | 15  | 8   | 12  |
| CG(26) | 2          | 4  | 7  | 9  | 5  | 4  | 9  | 11 | 2  | 14 | 5   | 14  | 11  | 16  | 16  |
| CG(27) | 2          | 4  | 13 | 12 | 12 | 7  | 15 | 10 | 5  | 2  | 15  | 5   | 13  | 7   | 4   |
| CG(28) | 2          | 5  | 9  | 9  | 3  | 12 | 8  | 14 | 15 | 12 | 14  | 5   | 3   | 2   | 15  |
| CG(29) | 2          | 5  | 11 | 7  | 2  | 11 | 9  | 4  | 16 | 7  | 16  | 9   | 14  | 14  | 4   |
| CG(30) | 2          | 6  | 2  | 13 | 3  | 3  | 12 | 9  | 7  | 16 | 6   | 9   | 16  | 13  | 12  |
| CG(31) | 2          | 6  | 9  | 7  | 7  | 16 | 13 | 3  | 12 | 2  | 13  | 12  | 9   | 16  | 6   |
| CG(32) | 2          | 7  | 12 | 15 | 2  | 12 | 4  | 10 | 13 | 15 | 13  | 4   | 5   | 5   | 10  |

FIG 1 (Continuation)

|        | Time Slots |    |    |    |    |    |    |    |    |    |     |     |     |     |     |
|--------|------------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|
|        | #0         | #1 | #2 | #3 | #4 | #5 | #6 | #7 | #8 | #9 | #10 | #11 | #12 | #13 | #14 |
| CG(33) | 2          | 7  | 14 | 16 | 5  | 9  | 2  | 9  | 16 | 11 | 11  | 5   | 7   | 4   | 14  |
| CG(34) | 2          | 8  | 5  | 12 | 5  | 2  | 14 | 14 | 8  | 15 | 3   | 9   | 12  | 15  | 9   |
| CG(35) | 2          | 9  | 13 | 4  | 2  | 13 | 8  | 11 | 6  | 4  | 6   | 8   | 15  | 15  | 11  |
| CG(36) | 2          | 10 | 3  | 2  | 13 | 16 | 8  | 10 | 8  | 13 | 11  | 11  | 16  | 3   | 5   |
| CG(37) | 2          | 11 | 15 | 3  | 11 | 6  | 14 | 10 | 15 | 10 | 6   | 7   | 7   | 14  | 3   |
| CG(38) | 2          | 16 | 4  | 5  | 16 | 14 | 7  | 11 | 4  | 11 | 14  | 9   | 9   | 7   | 5   |
| CG(39) | 3          | 3  | 4  | 6  | 11 | 12 | 13 | 6  | 12 | 14 | 4   | 5   | 13  | 5   | 14  |
| CG(40) | 3          | 3  | 6  | 5  | 16 | 9  | 15 | 5  | 9  | 10 | 6   | 4   | 15  | 4   | 10  |
| CG(41) | 3          | 4  | 5  | 14 | 4  | 6  | 12 | 13 | 5  | 13 | 6   | 11  | 11  | 12  | 14  |
| CG(42) | 3          | 4  | 9  | 16 | 10 | 4  | 16 | 15 | 3  | 5  | 10  | 5   | 15  | 6   | 6   |
| CG(43) | 3          | 4  | 16 | 10 | 5  | 10 | 4  | 9  | 9  | 16 | 15  | 6   | 3   | 5   | 15  |
| CG(44) | 3          | 5  | 12 | 11 | 14 | 5  | 11 | 13 | 3  | 6  | 14  | 6   | 13  | 4   | 4   |
| CG(45) | 3          | 6  | 4  | 10 | 6  | 5  | 9  | 15 | 4  | 15 | 5   | 16  | 16  | 9   | 10  |
| CG(46) | 3          | 7  | 8  | 8  | 16 | 11 | 12 | 4  | 15 | 11 | 4   | 7   | 16  | 3   | 15  |
| CG(47) | 3          | 7  | 16 | 11 | 4  | 15 | 3  | 15 | 11 | 12 | 12  | 4   | 7   | 8   | 16  |
| CG(48) | 3          | 8  | 7  | 15 | 4  | 8  | 15 | 12 | 3  | 16 | 4   | 16  | 12  | 11  | 11  |
| CG(49) | 3          | 8  | 15 | 4  | 16 | 4  | 8  | 7  | 7  | 15 | 12  | 11  | 3   | 16  | 12  |
| CG(50) | 3          | 10 | 10 | 15 | 16 | 5  | 4  | 6  | 16 | 4  | 3   | 15  | 9   | 6   | 9   |
| CG(51) | 3          | 13 | 11 | 5  | 4  | 12 | 4  | 11 | 6  | 6  | 5   | 3   | 14  | 13  | 12  |
| CG(52) | 3          | 14 | 7  | 9  | 14 | 10 | 13 | 8  | 7  | 8  | 10  | 4   | 4   | 13  | 9   |
| CG(53) | 5          | 5  | 8  | 14 | 16 | 13 | 6  | 14 | 13 | 7  | 8   | 15  | 6   | 15  | 7   |
| CG(54) | 5          | 6  | 11 | 7  | 10 | 8  | 5  | 8  | 7  | 12 | 12  | 10  | 6   | 9   | 11  |
| CG(55) | 5          | 6  | 13 | 8  | 13 | 5  | 7  | 7  | 6  | 16 | 14  | 15  | 8   | 16  | 15  |
| CG(56) | 5          | 7  | 9  | 10 | 7  | 11 | 6  | 12 | 9  | 12 | 11  | 8   | 8   | 6   | 10  |
| CG(57) | 5          | 9  | 6  | 8  | 10 | 9  | 8  | 12 | 5  | 11 | 10  | 11  | 12  | 7   | 7   |
| CG(58) | 5          | 10 | 10 | 12 | 8  | 11 | 9  | 7  | 8  | 9  | 5   | 12  | 6   | 7   | 6   |
| CG(59) | 5          | 10 | 12 | 6  | 5  | 12 | 8  | 9  | 7  | 6  | 7   | 8   | 11  | 11  | 9   |
| CG(60) | 5          | 13 | 15 | 15 | 14 | 8  | 6  | 7  | 16 | 8  | 7   | 13  | 14  | 5   | 16  |
| CG(61) | 9          | 10 | 13 | 10 | 11 | 15 | 15 | 9  | 16 | 12 | 14  | 13  | 16  | 14  | 11  |
| CG(62) | 9          | 11 | 12 | 15 | 12 | 9  | 13 | 13 | 11 | 14 | 10  | 16  | 15  | 14  | 16  |
| CG(63) | 9          | 12 | 10 | 15 | 13 | 14 | 9  | 14 | 15 | 11 | 11  | 13  | 12  | 16  | 10  |

FIG 2

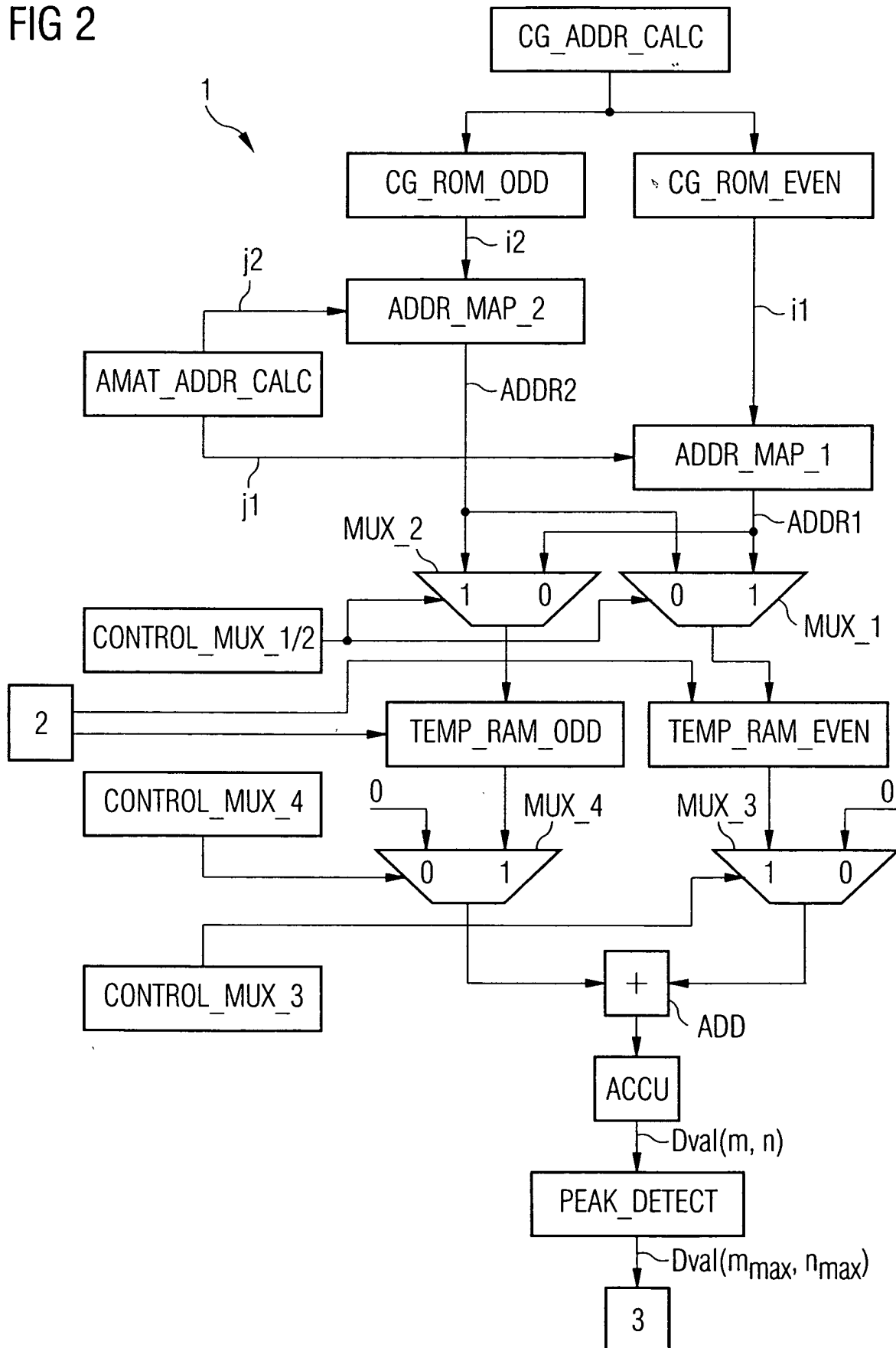


FIG 3A

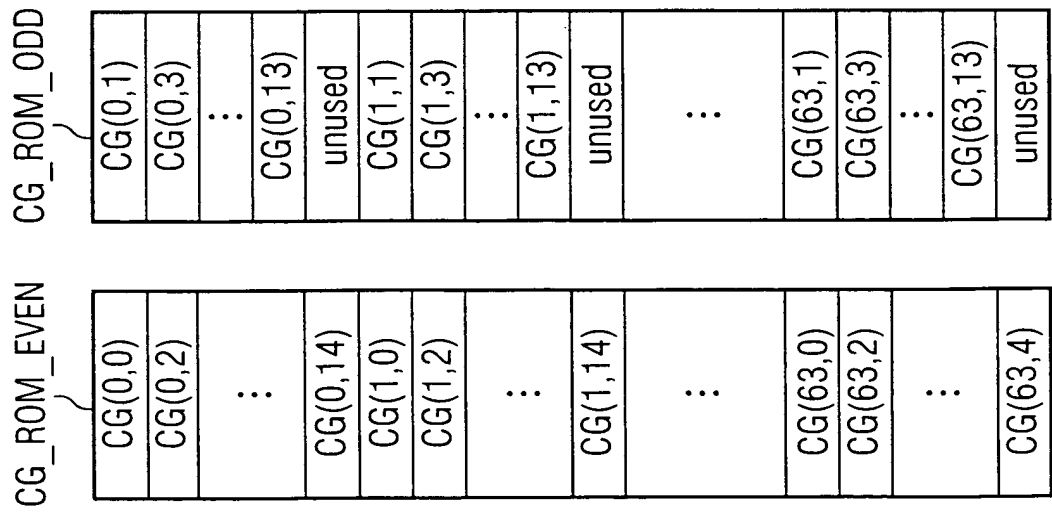


FIG 3B

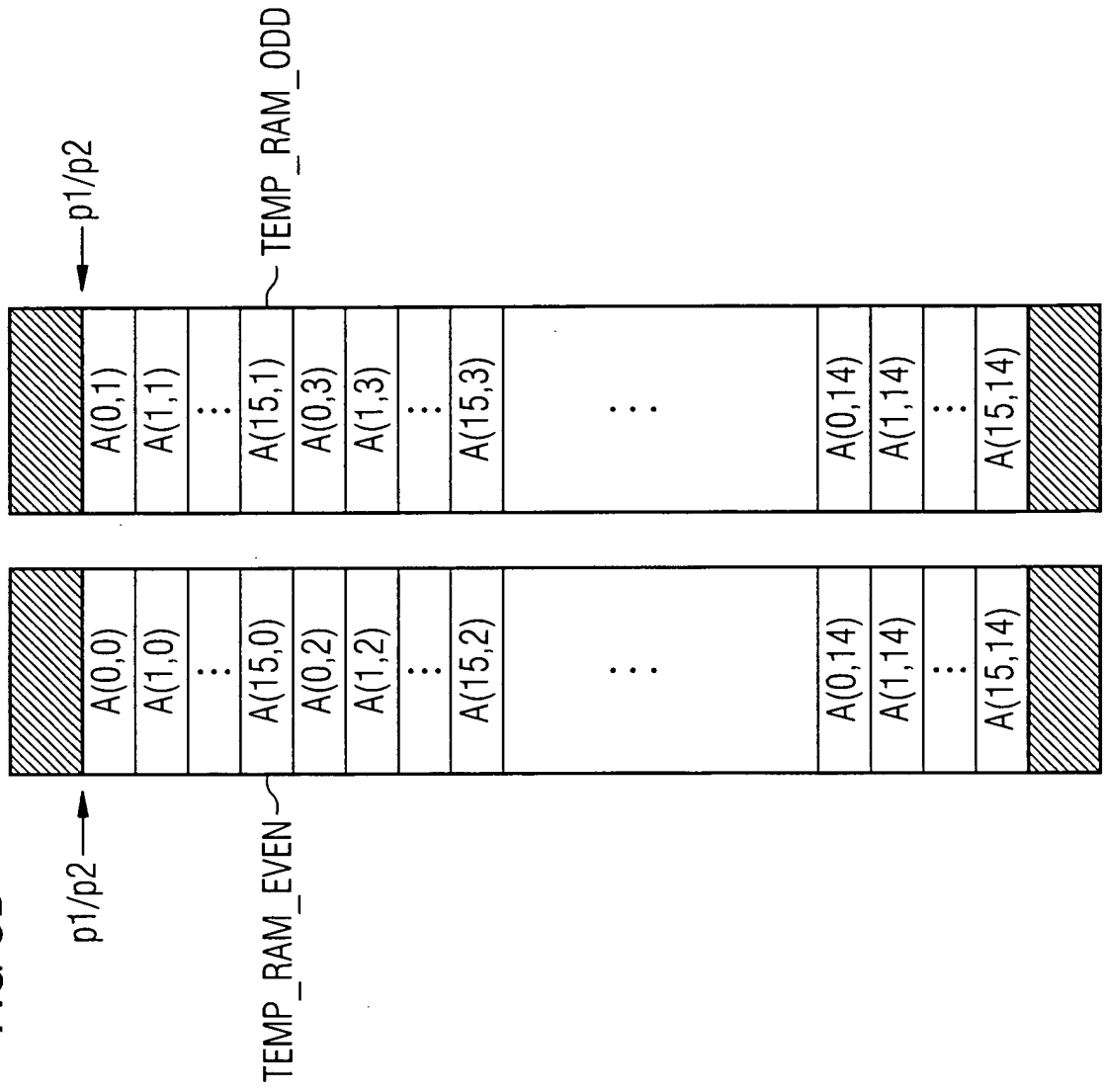


FIG 4

$j1 = (2k - n) \bmod 15$

$j2 = (2k + 1 - n) \bmod 15$

|    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| n  | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 |
| 0  | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 |
| 1  | 14 | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 |
| 2  | 13 | 14 | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 |
| 3  | 12 | 13 | 14 | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 |
| 4  | 11 | 12 | 13 | 14 | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
| 5  | 10 | 11 | 12 | 13 | 14 | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  |
| 6  | 9  | 10 | 11 | 12 | 13 | 14 | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  |
| 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  |
| 8  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 0  | 1  | 2  | 3  | 4  | 5  | 6  |
| 9  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 0  | 1  | 2  | 3  | 4  | 5  |
| 10 | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 0  | 1  | 2  | 3  | 4  |
| 11 | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 0  | 1  | 2  | 3  |
| 12 | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 0  | 1  | 2  |
| 13 | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 0  | 1  |
| 14 | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 0  |
| k  | 0  | 1  | 2  | 3  | 4  | 5  | 6  | 7  |    |    |    |    |    |    |    |